

Successful Working Partnership for Lead Cleanup



Goals Are Expressed as Remedial Action Objectives

Soil

- less than 1,000 ppm for each yard, commercial properties, and streets
- less than 350 ppm geometric mean for all yards in each community

House Dust

- less than 1,000 ppm for each home
- less than 500 ppm geometric mean for all homes in each community

Goals Are Expressed as Remedial Action Objectives

Blood

- less than 5 percent probability of a blood lead of 10 : g/dl for each community
- no individual child exceeding 15 : g/dl nominally 1 percent

Remedial Actions

Yard Soil Cleanups

- Remove upper 12 inches of yard soil above 1,000 ppm
- Install visual fabric barrier, backfill with clean soil, install sod

Interior House Cleaning

- Interior work deferred until yard soil cleanup completion
- Pilot cleaning study scheduled for summer 2000

Panhandle Health District Interventions

- Nurse visits
- Individual exposure investigations
- Family Consultation

Accomplishments

Soil Cleanups

- Completed 1602 residential yards
- 124 Commercial Sites
- 106 Unpaved road shoulders



Milo Creek Flood Control Project

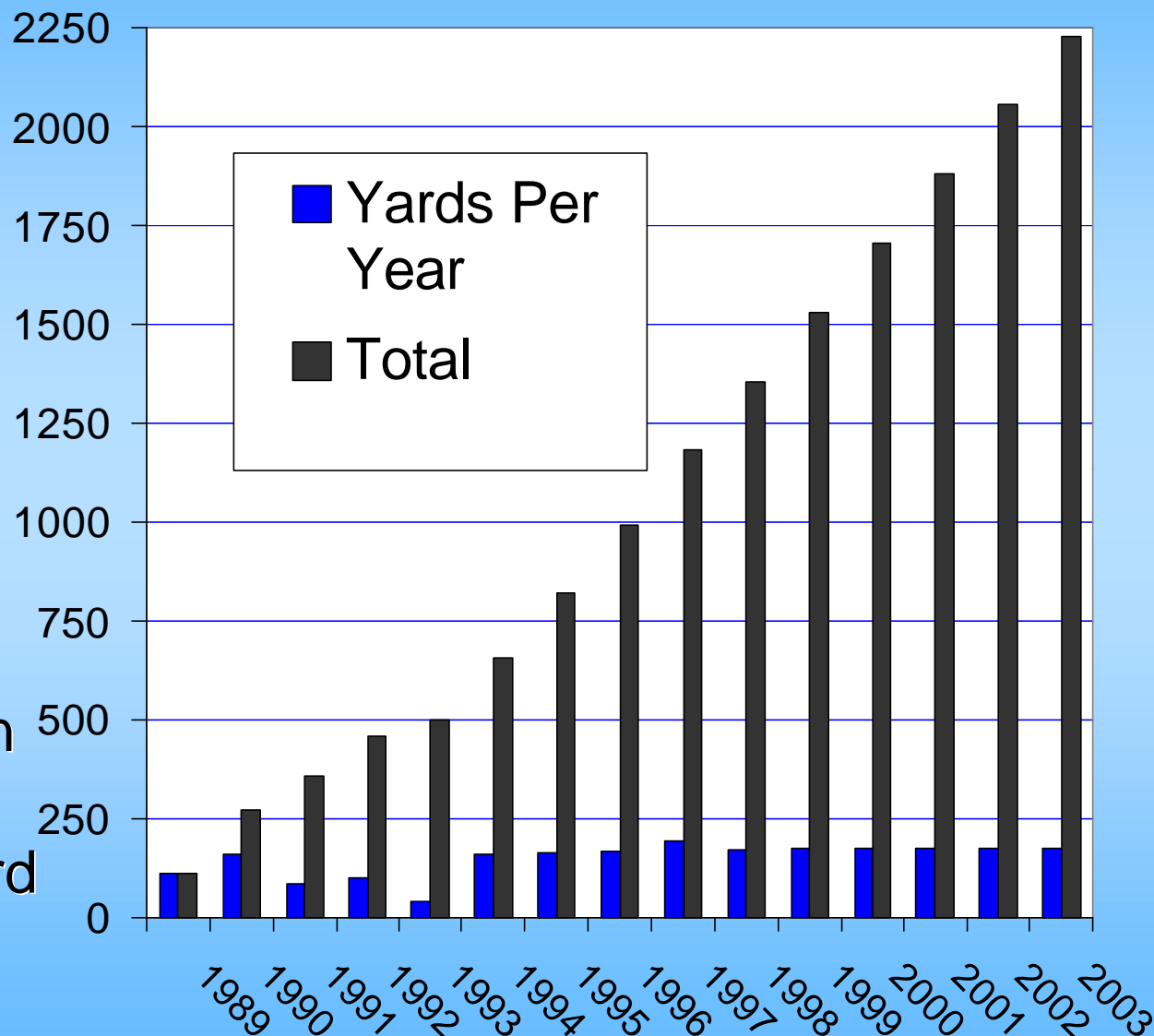
338 Panhandle Health
District Follow- up
visits to Families



Results

Yards Cleaned

- Estimated completion date
2002-2003
- Estimated number of yards to clean
2000-2250
- Projected Yard cleanups per year: 175

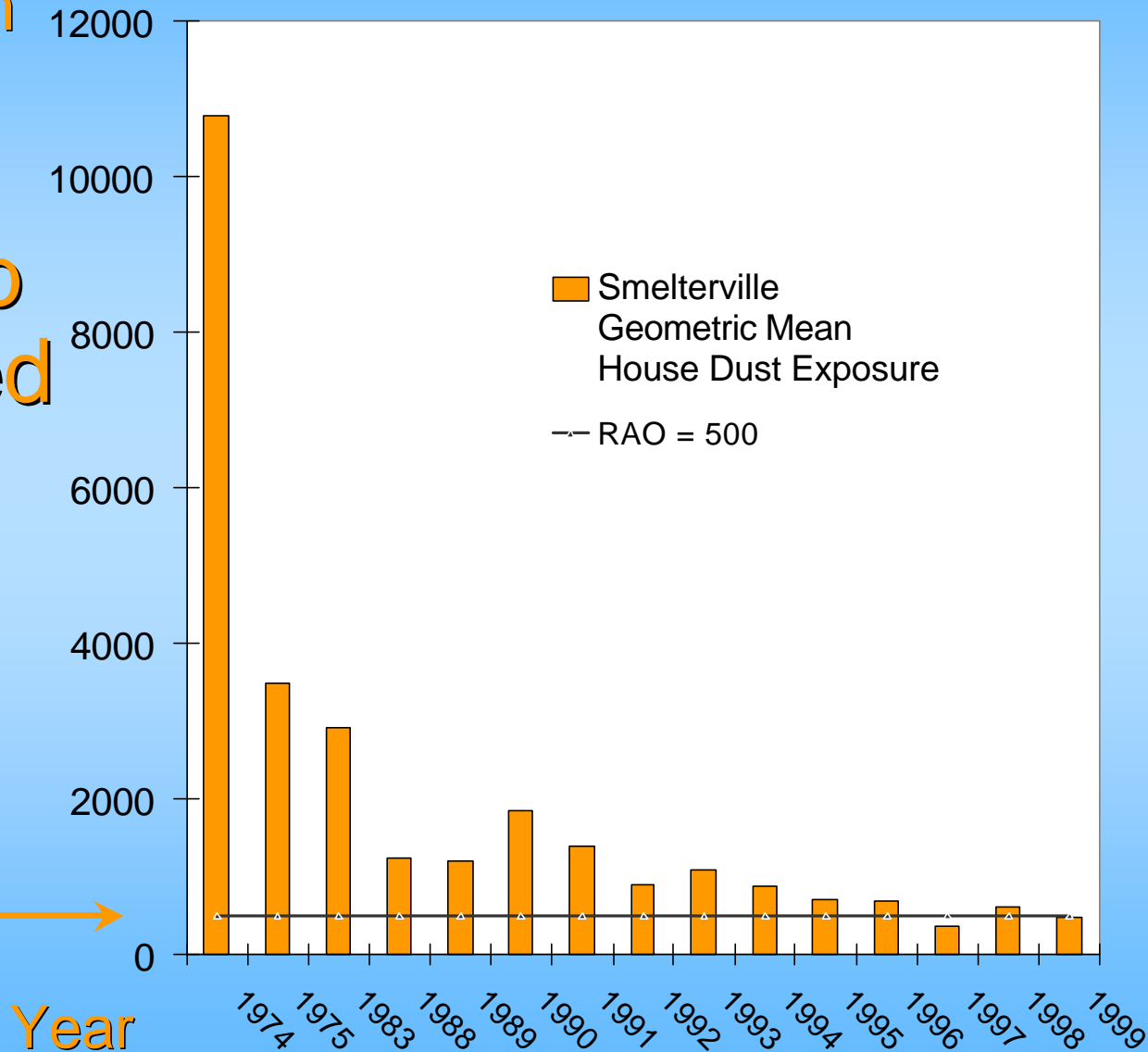


Results

Lead ppm

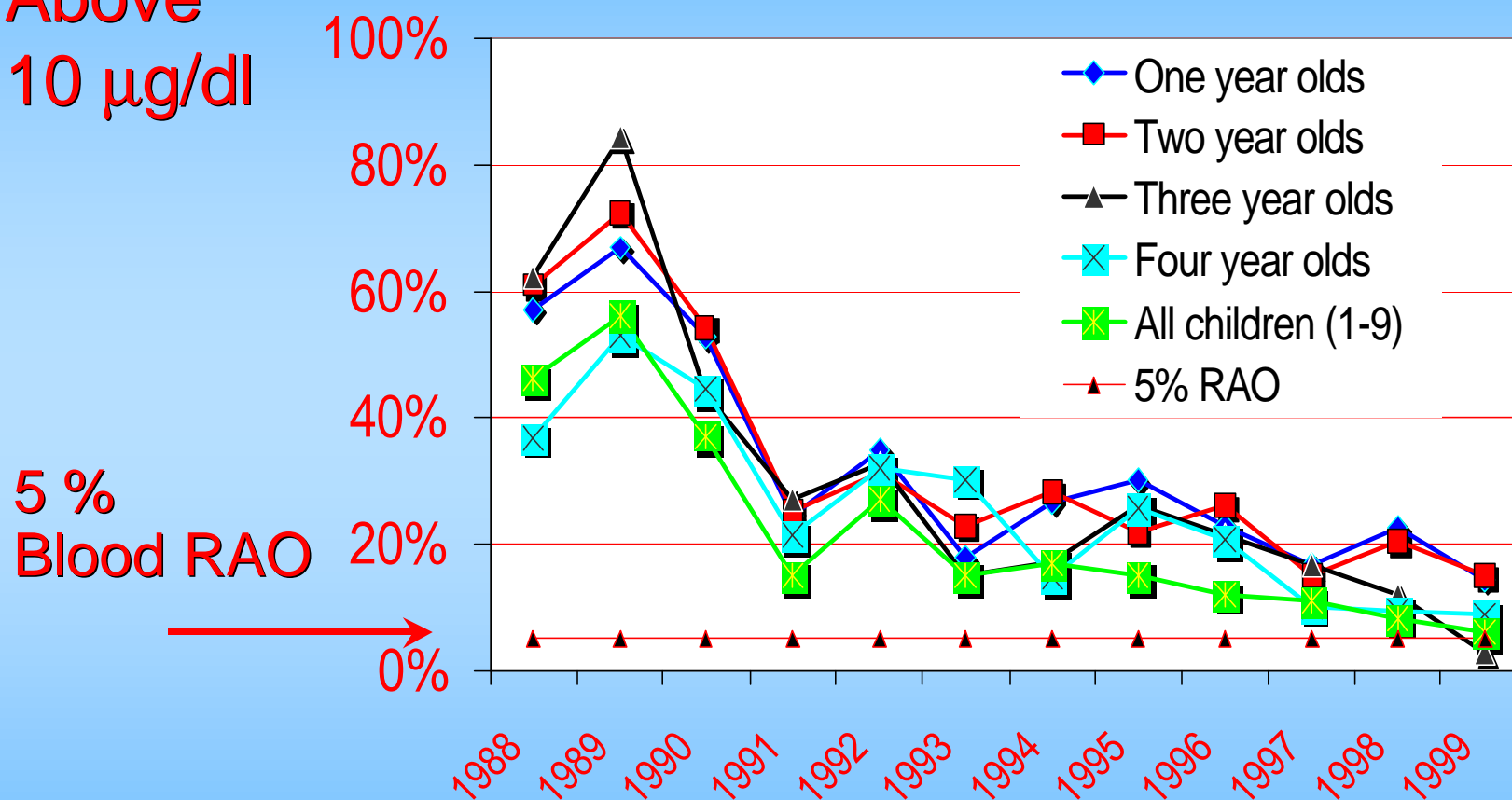
House
Dust Pb
Declined

500 ppm
Dust RAO



Percent of
Children
Above
10 $\mu\text{g/dl}$

Results

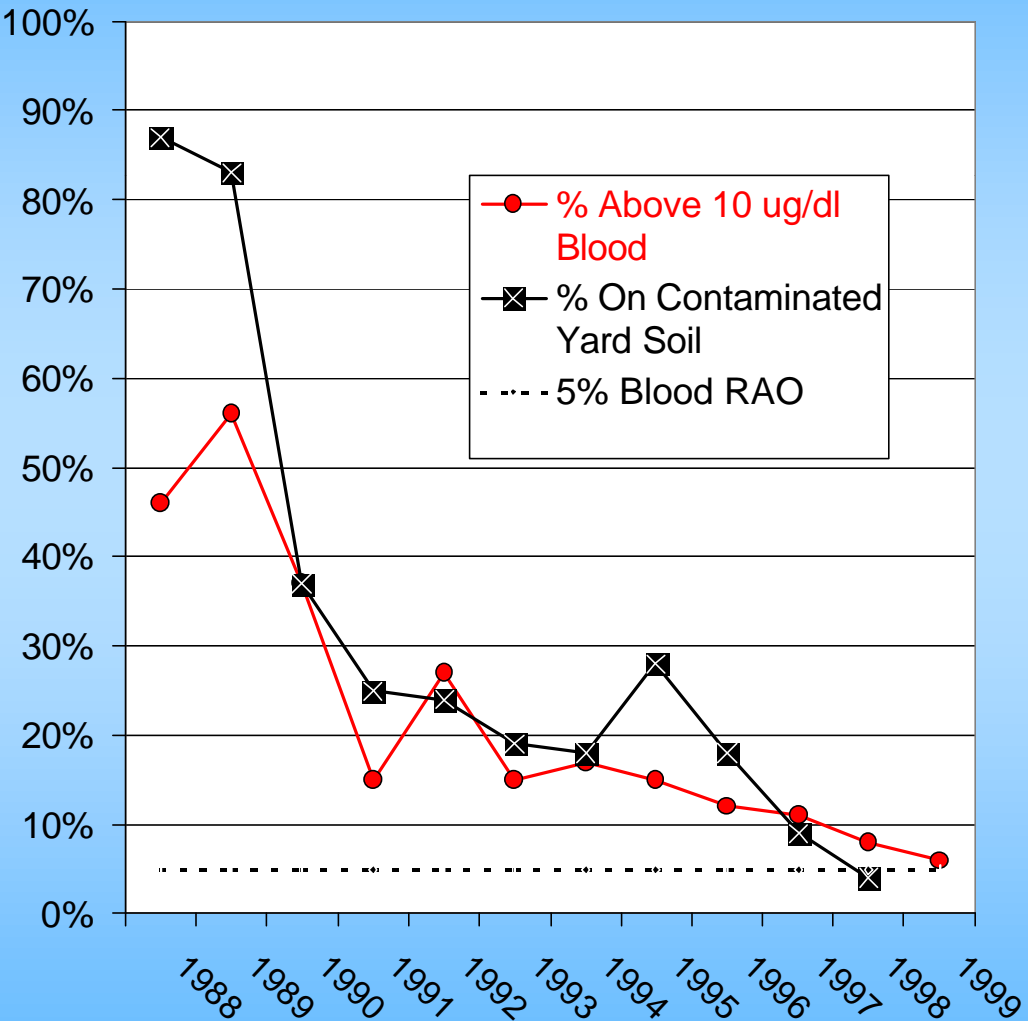


Results

Percent of Children

↓ Kids On Yards > 1000 ppm
↓ Kids > 10 µg/dl Blood

5 % > 10 : g/dl
Blood RAO



The Partnership

Residents of Kellogg, Page, Pinehurst,
Smelterville, and Wardner

Panhandle Health District

State of Idaho

Mining Companies

Agency for Toxic Substances Disease Registry

Centers for Disease Control

EPA: Region 10, Office of Research and
Development, Office of Solid Waste and
Emergency Response